

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 6,898,452 B2  
APPLICATION NO. : 10/668487  
DATED : May 24, 2005  
INVENTOR(S) : Ammar Al-Ali

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 1, Line 10, please delete "Ali" and insert -- Al-Ali --, therefore.

Column 2, Line 7, please delete "et al.," and insert -- et al., --, therefore.

Column 1, Line 39, after "plasma" please insert -- . -- .

Column 11, Line 19, after " $f_i$ " please delete ",".

Column 12, Line 26, please delete " $Sp_aO_2$ " and insert --  $Sp_vO_2$ --, therefore.

Column 18, Line 51, Equation 13, please delete " $1.34C_{HbSO_2}$ " and insert -- $1.34C_{Hb}SO_2$ --, therefore.

Column 19, Line 24, please delete " $\omega$ " and insert --  $\Phi$ --, therefore.

Column 19, Line 35, after "hyperbola" please insert -- . --.

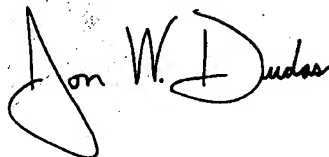
Column 19, Line 43, please delete " $Sp_aO_2$ " before "1790" and insert --  $Sp_vO_2$  --, therefore.

Column 20, Line 43, after "plasma" please insert -- . --.

Column 23, Line 48, after "aorta" please insert -- . --.

Signed and Sealed this

Seventeenth Day of July, 2007



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*